Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/07/2022 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122195	-3	5.57	122109	5.52
Blue	F	SSC	125000	121962	-3	5.64	122536	5.63
Blue	E	FITC	14284	13360	-7	5.85	374	15.40
Blue	D	PE	23919	23179	-4	5.72	550	12.42
Blue	B	PerCP-Cy5-5	31332	30039	-5	6.21	859	16.89
Blue	A	PE-Cy7	22272	21710	-3	8.01	449	34.21
Red	C	APC	47768	46587	-3	3.29	1605	12.39
Red	A	APC-Cy7	25313	24446	-4	3.83	691	13.33
Violet	B	V450	7085	6664	-6	5.60	466	12.48
Violet	A	V500	26969	25406	-6	5.37	872	9.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23279	6.25	595	6	N/A	N/A	Pass
Blue	F	SSC	53504	5.66	528	7	N/A	N/A	Pass
Blue	E	FITC	56	57.02	499	-2	0.0361	36	Pass
Blue	D	PE	106	44.08	498	1	0.4045	429	Pass
Blue	B	PerCP-Cy5-5	132	46.73	588	0	0.0172	107	Pass
Blue	A	PE-Cy7	72	88.96	637	2	0.0182	0	Pass
Red	C	APC	331	27.76	580	0	0.0239	148	Pass
Red	A	APC-Cy7	126	37.79	554	-1	0.0055	1373	Pass
Violet	B	V450	78	47.97	451	-12	0.0495	1955	Pass
Violet	A	V500	101	33.70	462	-12	0.0218	879	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.33	-31.24	1.16
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	13.89	13.60 - 20.40	N/A	N/A	29.59	29.83	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13291

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments